Glenair
STAR-PAN™

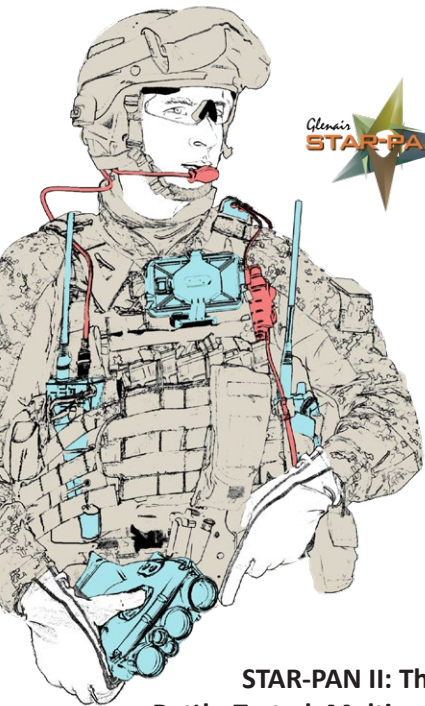*JTAC-TOUGH*™

STAR-PAN™ II

Powering Soldier Connectivity
and C4ISR Mission Success

QUICK-START USER'S GUIDE

NOVEMBER 2020

Glenair
STAR-PAN™

**STAR-PAN II: The
Battle-Tested, Multiport
USB Hub, Cable, and Power
Management Solution**

STAR-PAN II
Quick-Start User's Guide

Powering-up STAR-PAN II
  Battery Power

Connecting STAR-PAN II to the EUD/Host

Launching STAR-PAN Android Remote (SPAR) Power Management App

SPAR Loading Screen

SPAR Basic Operation

Home Screen Operations:
  System Status
  Battery Power Status
  Enabling and Disabling Devices
  Enabled-Device Power Consumption

Detailed Home Screen Operations:
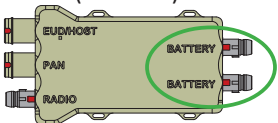 Power Usage Stats
  Accessing Detailed Data
  Changing Port Names

Menu Options: Settings, Quitting App

Powering-up STAR-PAN II Connectorized Hub: Main Battery Power

General-Purpose cable (808-047)

STAR-PAN II
(808-194
connectorized hub)

Main Battery with Adapter

Connect one end of the General-Purpose cable to the battery adapter and the other end to either of the two "BATTERY" ports on the STAR-PAN II hub (located on the right-hand side). Red indicators on cable and hub connectors will align.

Powering-up STAR-PAN II Cabled Hub: Main Battery Power

General-Purpose cable (808-047)

STAR-PAN II
(808-057-1 cabled hub)
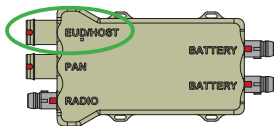
Main Battery with Adapter

Connect one end of the General-Purpose cable to the battery adapter and the other end to either of the two "BATT" cables on the STAR-PAN II hub (located on the right-hand side). Red indicators on cable and hub connectors will align. Note that only the "BATT 1" port has SMBus capability).

Connecting STAR-PAN II to the EUD/Host

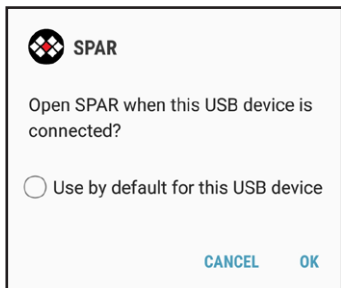USB-C EUD/Host cable
(contact factory for P/N)
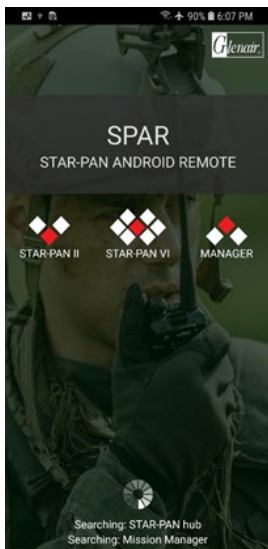
STAR-PAN II

EUD/Host

Plug the circular end of the USB-C cable into the "EUD/HOST" port at the top of the STAR-PAN II hub (Red indicators on cable and hub connectors will align). Plug the small rectangular end of the USB-C cable into the charging port of the phone.

**Launching SPAR
(STAR-PAN Android Remote
Power Management App)**

❌ **SPAR**

Open SPAR when this USB device is connected?

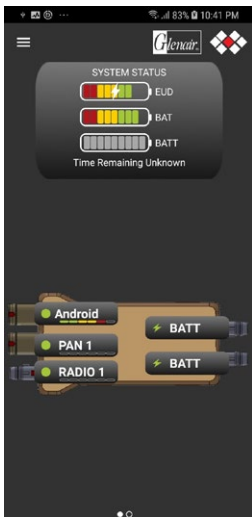◯ Use by default for this USB device

CANCEL   **OK**

Once connected, the EUD/Host will recognize the STAR-PAN II connection and a prompt to "Open SPAR when this USB device is connected" will appear. Select "Use by default for this USB device" and tap "OK" for SPAR to automatically launch when connected to the STAR-PAN II hub.
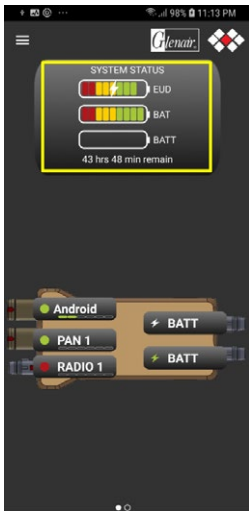
SPAR Loading Screen

Always appears when first connecting to SPAR, or if the host becomes disconnected from STAR-PAN II while SPAR is open
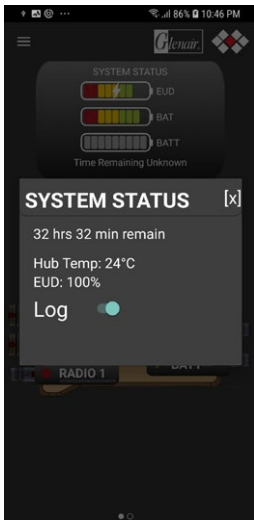
SPAR Basic Operation

- Tap to select any item
- Swipe right or Tap ≡ for Menu
- Swipe left from any screen for *Detailed Home Screen* View
- Swipe up or down on *Detailed Home Screen* to scroll through port-detail screens
- Swipe right to return to the previous screen
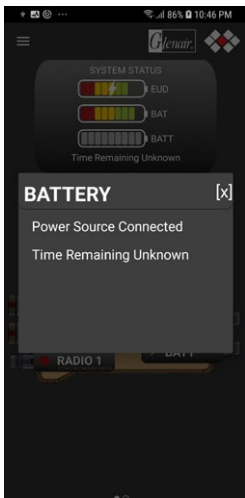
Home Screen: System Status

System Status Box shows charging hours and minutes remaining in EUD, and both BATTERY power supplies for use by all enabled devices attached to the hub (for SMBus-compatible batteries). Time will not consider peripheral device autonomy or radio battery sources connected w/ RPB.
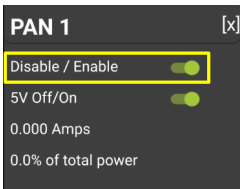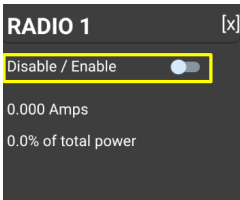
Tap the System Status Box and toggle the "Log" to allow for post mission analysis of power consumption. The "Log" will report the amount of power used enabling the proper battery choice for future missions.

Home Screen:
Battery Power Status

If one of the BATTERY power ports is plugged to an AC power supply, the BATTERY power status bar will appear light gray and state "Time Remaining Unknown," since the source of the power supply is essentially unlimited.
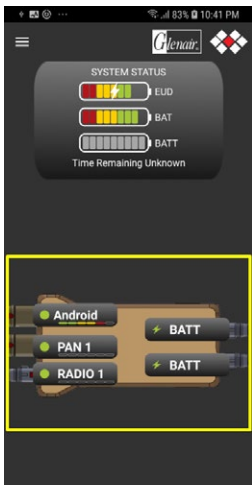
Home Screen: Enabling and Disabling Devices

RADIO 1 [x]

Disable / Enable

0.000 Amps

0.0% of total power

PAN 1 [x]

Disable / Enable

5V Off/On

0.000 Amps

0.0% of total power

Disable/Enable function allows user to save power by Disabling battery power supply to peripherals without cutting data communication. Tap on port device name and use the toggle to Disable / Enable the port.

• *Red dots* indicate a port is disabled and not drawing power
• *Green dots* indicate a port is enabled and drawing power

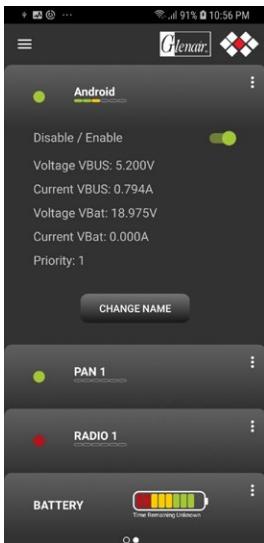## Home Screen: Enabled-Device Power Consumption

Enabled devices draw power. The amount is shown visually in a power load status bar directly under the port name.

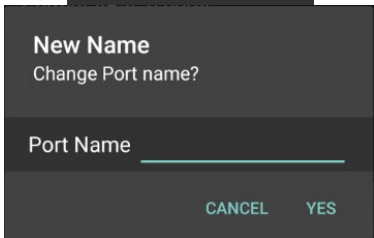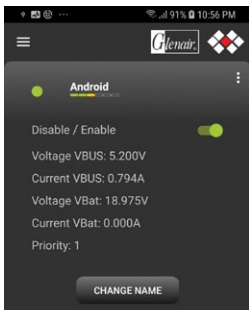**Detailed Home Screen:**
Power Usage Stats

A second port-status "home screen" lists detailed battery power usage stats for all devices on the system. Note that you will only receive SMBus data if connected to a smart battery

Detailed Home Screen:
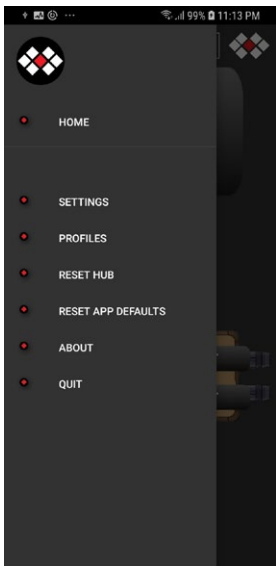**Accessing Detailed Data**

Tap on the port name to expand the power usage and port priority assignment details.
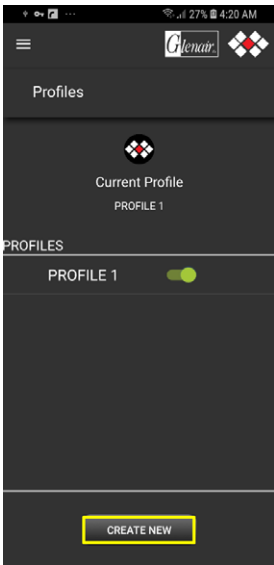
**Detailed Home Screen:
Changing Port Names**

To change any port name, tap its name and select "Change Name." In the pop-up screen, enter new name and tap "Yes." The Port Name will now be updated on all screens.

**Menu Options: Settings,
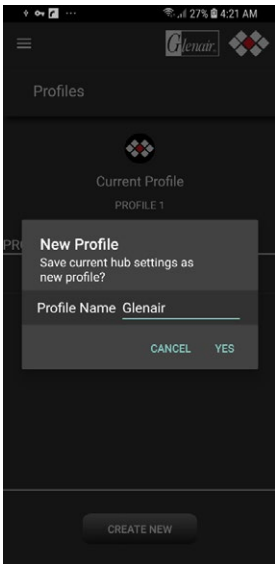Quitting Application**

Open menu to adjust system
and application settings, add or
personalize profiles, reset hub
and app defaults, or quit the
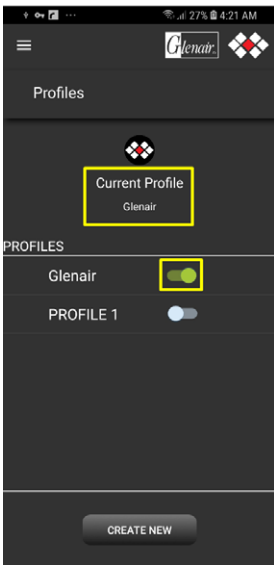app.

Menu Options: Profiles

After tapping "Profiles" from the menu options screen the detailed profiles screen will appear. Select the "Create New" button to add a new profile.
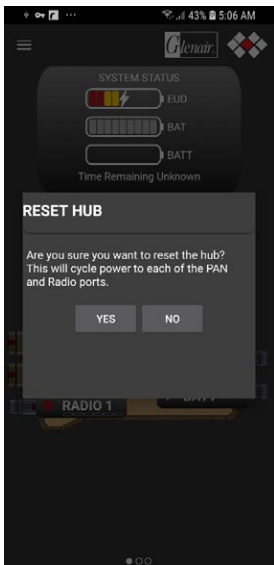
A pop-up screen to add a "Profile Name" and save the current hub settings to the "New Profile" will appear. Type a custom "Profile Name" and select "Yes."
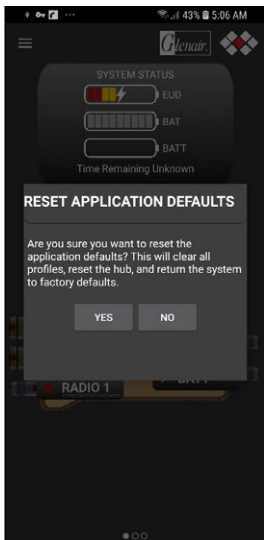
Menu Options: Profiles

By default, the new profile will simultaneously become the "Current Profile," and be added to the list of available profiles. To change the "Current Profile" tap the corresponding profile toggle.

Menu Options: Reset Hub

After tapping "Reset Hub" from the menu options screen, a pop-up alert confirming to restart the hub will appear. Select "Yes" if a reset is wanted.

Menu Options: Reset Application Defaults

Upon tapping "Reset App Defaults" from the menu options screen, a pop-up alert confirming to clear all profiles, reset the hub, and return the system to factory defaults will appear. Select "Yes" to wipe all saved information and reset the hub.

STAR-PAN

SCALABLE
SOLDIER
NETWORKS

STAR-PAN™ II
(Dismounted Infantry)

STAR-PAN™ VI
(JTAC / Mission Commander)

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